

1280

WELCOME TO THE INFRARED MP-LEVEL AGE

The World's First Portable Thermal Camera
with MP-level Infrared Resolution



PT-Series



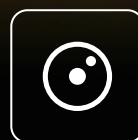
1280x1024
IR Resolution



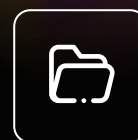
5.5-inch
Multipoint Touchscreen



ContFocus
Continuous Autofocus



1920x1080
OLED Eyepiece



OTA Update



5G Communications

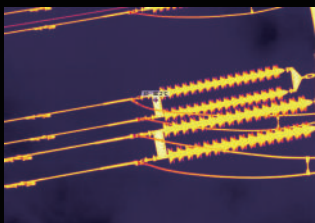
Features

- Up to 1280x1024 IR resolution
- An optional temperature range to 2500°C
- Infrared video at 20 Hz
- ContFocus intelligent and continuous autofocus model
- Observation of 36µm objects through a macro lens
- PerIRVision image stitching technology

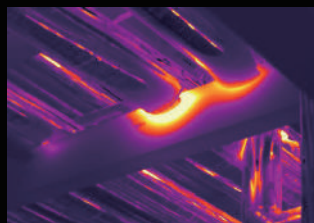
Specifications

Model	PT850	PT870
Imaging & Optical		
Detector	VOx, 7.5 to 14 μm	
IR Resolution	1024×768@12μm	1280×1024@12μm
Field of View (FOV)	25°×19°	
Frame rate	30Hz/9Hz	
Focus	Automatic/Manual (focus ring)	
Measurement		
Temperature Range	-40°C to 150°C, 0°C to 800°C, support auto-switching, 400°C to 2500°C (a high-temperature lens is required)	
Accuracy	±1°C or ±1%, whichever is greater	
Image display		
Display	5.5-inch LCD high-brightness multipoint LCD touchscreen	
Eyepiece	1920×1080 pixel OLED display	
Others		
Storage Media	64 GB of local storage, removable SD card (up to 256 GB)	
Network	WIFI and 5G, live images and video from the device can be viewed on a mobile device	
Battery Operating Time	≥4 hours	
Weight	≤1.8 KG (with a standard lens and battery)	

Applications



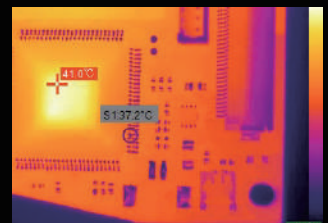
Electric Power



Ferrous Metallurgy



Building



Scientific research

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